

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



UNITED STATES DEPARTMENT OF AGRICULTURE

BUREAU OF AGRICULTURAL ECONOMICS

February 1940

This is a general index of articles which have appeared in "The Agricultural Situation", monthly publication of the Bureau of Agricultural Economics, in the last three years, 1937 to 1939 inclusive. v. 21 - 23

AGRICULTURAL ADJUSTMENT

Surplus Removal Operations Of The AAA. March, 1937. Jesse W. Taub.  
Agricultural Adjustment Act Of 1938. March, 1938. Alfred D. Stedman.  
Commodity Loans By The AAA. October, 1938. J. W. Tapp.  
The 1939 AAA Farm Program. December, 1938. R. M. Evans.  
Crop Loans Total 769 Millions. April, 1939. R. M. Evans.  
The 1940 AAA Farm Program. September, 1939. R. M. Evans.  
(See also Corn, Cotton, Ever-Normal Granary,  
Farm Prices and Income, Foreign  
Trade, Marketing, Rehabilitation,  
Wheat.)

AGRICULTURAL HISTORY

Eventful Decade. December, 1939. A. B. Genung.

ONE HUNDRED AGRICULTURAL INDUSTRIES. March, 1939. C. M. Purves.

AGRICULTURAL OUTLOOK FOR 1940  
(November, 1939, Special Outlook Issue).

Demand And Price Outlook. O. C. Stine.  
The Credit Outlook For 1940. N. J. Wall.  
Farm Production Costs In 1940. C. M. Purves.  
Wheat Outlook For 1940. Joseph A. Becker.  
Fifty Million Bales Of Cotton. Carl H. Robinson.  
Clover And Alfalfa Seed. G. C. Edler.  
Big Supply Of Dry Beans. J. E. Barr.  
Fats, Oils, And Oilseeds. Robert M. Walsh.  
Large Supply Of Rice. G. A. Collier.  
The Beef Cattle Outlook. C. A. Burmeister.  
Outlook For Food Grain, And Livestock. John B. Shopard.  
Increased Production Meats And Lard. W. O. Fraser.  
The Hog Outlook For 1940. Preston Richards.  
Tobacco Supply Troublesome. Charles E. Gago.  
Favorable Outlook For Sheep. C. L. Harlan.  
The Dairy Outlook For 1940. E. E. Vial.  
Vegetable Crops In 1940. Gustave Burmeister.  
Horse, Mule Population Declines. M. R. Cooper.  
Outlook For Poultry And Eggs. Richard J. Foote.  
The Fruit Outlook. Reginald Royston.



ALCOHOL MOTOR FUEL IN THE UNITED STATES. December, 1938. P. B. Jacobs.

BEE BUSINESS. June, 1939. H. J. Clay.

CONSUMPTION OF AGRICULTURAL PRODUCTS. January, 1939. J. P. Cavin.

CORN

The Soybean Invasion Of The Corn Belt. May, 1937. Lauren K. Soth.

Shifts In Corn Acreage. June, 1938. G. W. Collier.

The Corn Stabilization Program. July, 1938. O. V. Wells.

The 1938 Corn Loan. December, 1938. D. A. Fitzgerald.

COTTON

Domestic Cotton Utilization Expands. May, 1937. Rodney Whitaker.

Better Cotton. July, 1937. W. B. Lanham.

Cycles In Cotton Consumption. August, 1937. Fred Taylor.

Complaints Against American Cotton Abroad. August, 1937. Fred Taylor.

Why The United States Imports Cotton. September, 1937. M. R. Cooper.

Quality Of The Cotton Carry-Over. October, 1937. W.B.Lanham  
F.H.Harper

Cotton Goes To Mill. November, 1937. R. J. Cheatham.

Cottonseed Also Goes To Market. December, 1937. G. S. Meloy.

Cotton Skeins The World. March, 1938. P. K. Norris.

Big Cottonseed Crop Stops Oil Imports. March, 1938. Anne Dowces.

Cotton Farmer's Income Reduced. April, 1938. O. C. Stine.

Egyptian Government Increases Cotton Loans. April, 1938. N. W. Hazen.

Germany Buying Less Cotton. May, 1938. D. F. Christy.

New Uses For Cotton. May, 1938. R. J. Cheatham.

Consumption, Textile Raw Materials. June, 1938. M. R. Cooper  
Preston Richards

New Services For Cotton Growers. July, 1938. C. H. Robinson.

In The Land Of Cotton. October, 1938. R. W. Hale.

American Cotton In The Orient. October, 1938. W. I. Ladejinsky.

A Hundred Million For Cottonseed. November, 1938. G. S. Meloy.

Community Gets New Cotton Services. December, 1938. W. B. Lanham.

Quality Improvement Of American Cotton. February, 1939. C. H. Robins.

Cotton's Synthetic Rivals. April, 1939. C. H. Robinson.

A Plan For Cotton Crop Insurance. July, 1939. R. T. Baggott.

Cotton Classing And Market News. July, 1939. W. B. Lanham.

Forecasting The Cotton Crop. August, 1939. F. H. Whitaker.

CRANBERRIES - \$5,000,000 INDUSTRY. December, 1939. Howe Bancroft.

CROP ESTIMATING - AN APPRAISAL. May and June, 1939. C. F. Sarle.

CROP INSURANCE

(See Cotton, Wheat)



## DAIRY

Dairymen Had Difficult Season. January, 1937. L. M. Davis.  
Trends In Exports Of Dairy Products And Butter Prices. March, 1937.  
E. E. Vial.  
Objectives Of Government Butter Grading. April, 1937. Roy C. Potts.  
Fewer Open Market Butter Sales. July, 1937. L. M. Davis.  
Dairy Products Consumption. November, 1937. E. E. Vial.  
Trade Barriers In The Dairy Industry. August, 1938. George R. Taylor.  
Shifts In The Dairy Industry. December, 1938. E. E. Vial.  
New Records For Oleomargarine. January, 1939. Anne Dowees.  
Production, Consumption Dairy Products. May, 1939. E. E. Vial.  
Greater Uses For Dairy Byproducts. July, 1939. E. O. Whittier.

DIETARY GOAL FOR AGRICULTURE. December, 1937. Hazel K. Stiebling.

ECONOMIC INFORMATION FOR FARMERS. May, 1937. Henry A. Wallace.

## ECONOMISTS

Economists In Government Service. February, 1938. Wayne F. Caskey.  
We Asked The Economists. December, 1939. A Symposium by  
O. V. Wells, C. C. Taylor, F. V. Waugh, B. W. Allin,  
O. C. Stone, C. F. Tausch, H. C. Schwartz, N. J. Wall,  
S. E. Johnson.

## EVER-NORMAL GRANARY

Definition Of The Ever-Normal Granary. March, 1937. Henry A. Wallace.  
The Ever-Normal Granary And Processors. June, 1937. L. H. Bean.

## FARM FINANCE

State Mortgage-Relief Legislation. February, 1937. Donald C. Horton.  
Farm Real Estate Taxes In 1936. March, 1937. Eric Englund.  
Who Holds The Farm Mortgage Debt? August, 1937. Donald C. Horton.  
Agricultural Credit Conditions. January, 1938. E. J. Engquist, Jr.  
The Farm Mortgage Debt. May, 1938. D. C. Horton and E. J. Engquist,  
Lending Agencies Reduced Farm Holdings. March, 1939. Norman J. Wall.  
Thirty Years Of Mortgage Debt. October, 1939. Donald C. Horton.  
Five Decades Of Farm Taxes. December, 1939. Donald Jackson.

## FARM LABOR

Growing Demand For Farm Labor. February, 1937. Josiah C. Folsom.  
Workmen's Compensation Acts And Agricultural Laborers. April, 1937.  
Josiah C. Folsom.  
Farm Wage Rates Rise As Prices Climb. August, 1937. R. F. Hale  
J. B. Shepard.  
The Lag In Farm Wages. October, 1937. L. H. Bean.  
Farm Laborers: Their Status. October, 1937. Tom Vasey  
Josiah C. Folsom.  
The Farm Laborer. November, 1937. A. G. Black.



## FARM LABOR (Continued)

- Many Factors Affect Farm Wages. December, 1937. L. H. Bean.  
Distribution Of Agricultural Employment. February and March, 1938.  
Julius T. Wendzel.
- The Discharged Worker Looks To The Farm. December, 1938.  
Josiah C. Folsom.
- Farm Employment And Productivity. February, 1939. E. E. Shaw.
- The Farm Pay Roll. June, 1939. O. C. Stine.
- Wage Laborers Versus Sharecroppers. October, 1939. E. J. Holcomb.
- The Migratory Farm Laborer. October, 1939. R. M. Cullum.
- Farm Labor Statistics: An Appraisal. October, 1939. A. A. Robin.

## FARM MANAGEMENT, THE EFFECTS OF THE DROUGHT ON. January, 1937. C. W. Crickm

## FARM MECHANIZATION

- Displacement Of Horses And Mules By Tractors. June, 1937.  
Martin R. Cooper.
- The Motor Truck Alters The Farm Picture. April, 1938. W. C. Crow.
- New Tools For Agriculture. May, 1938. W. M. Hurst.
- Prices Of Farm Machinery. May, 1939. O. C. Stine.
- The Farmer's Workstock. August, 1939. C. L. Harlan.
- Increasing Use Of The Combine. August, 1939. A. P. Brodell.
- Mechanizing The Corn Harvest. September, 1939. A. P. Brodell.

## FARM PRICES AND INCOME

- Income Parity For Agriculture. April, 1937. O. C. Stine.
- Stability Of Farm Prices And Incomes. May, 1937. A. G. Black.
- Parity Income From Farm Production. May, 1937. L. H. Bean.
- Income Regulates The Diet. June, 1937. Hazel K. Stiebling.
- Buying Power Of Farm Income Near Pre-Depression Years. September, 1937  
C. M. Powers.
- Relative Income From Farming In 1937. January, 1938. W. F. Callander
- Costs Reduce Gain In Farm Income. January, 1938. C. M. Purves.
- The Cost Of Country Medical Service. August, 1938. O. C. Stine.
- The Deficiency In National And Farm Income. November, 1938.  
L. H. Bean
- Why Farmers Prices Are Below Pre-War. July, 1939. F. L. Thomson.
- Prices Received By Farmers - An Appraisal. August, 1939. R. F. Hale.
- Cash Income From Farm Products. December, 1939. O. C. Stine  
(See also Cotton, Livestock, Farm Labor, Farm  
Mechanization, National Income, Wheat).

## FARM POPULATION

- Population Changes In Southern States. April, 1937. Carl C. Taylor.
- Farm Population Decreases During 1936. July, 1937. Conrad Taeuber.
- Population Adjustments In The Great Plains. September, 1937.  
Conrad Taeuber.
- The Call Of The Land. April, 1938. Davis McEntire.
- Changes In Farm Population. June, 1938. Conrad Taeuber.
- Disadvantaged Classes In Agriculture. November, 1938. Carl C. Taylor  
H. W. Wheeler
- Farm Population - Near Record. June, 1939. Conrad Taeuber.



## FARM PRODUCTION

Crop Production Near All-Time Peak. October, 1937. C. M. Purves.  
World Agricultural Census - In 1940. March, 1938. J. Clyde Marquis.  
Farm Production At New High Record. March, 1938. C. M. Purves.  
Crop Production In 1938. January, 1939. W. F. Callander.

## FARM SECURITY

Farm Security. April, 1937. A. G. Black.  
Physical Security. June, 1937. A. G. Black.  
Security Against Crop Losses. July, 1937. A. G. Black.

## FARM TENANCY

Social Factors Associated With Farm Tenancy. February, 1937.  
Carl C. Taylor and Conrad Tauber.  
Security Of Land Tenure. July, 1937. A. G. Black.  
Tenants Buying Farms. August, 1938. R. C. Dorsey.  
Helping Tenants Become Owners. September, 1938. C. B. Baldwin.  
Greater Security For Tenants. October, 1938. C. B. Baldwin.  
Farm Tenancy To Ownership. October, 1939. P. V. Meavis.

## FATS AND OILS

The Fat Of The Land. November, 1937. Anne Dowees.

## FOOD BILL OF AMERICAN FAMILIES

Food Stamp Plan. December, 1939. N. L. Gold.

## FOREIGN TRADE

Foreign Trade In Farm Products In 1936. March, 1937. R. B. Schwenger.  
Agriculture's Part In Our Declining Trade Balance. May, 1937.  
L. A. Wheeler.  
Exports And Foreign Demand. May, 1937. F. L. Thomsen.  
German Markets For U. S. Farm Products Fast Disappearing.  
September, 1937. D. F. Christy.  
What Proportion Of Farm Output Goes Abroad? September, 1937.  
Elma Anderson.  
World Trade Increases. October, 1937. Robert B. Schwenger.  
Far Eastern Situation. November, 1937. F. J. Rossiter.  
Recent Trends In Exports And Imports. December, 1937. R. B. Schwenger.  
Agriculture's Share In Export Trade. June, 1938. L. H. Bean.  
Exports Up, Imports Down. September, 1938. Robert B. Schwenger.  
Farm Exports Affected By Munich Pact. November, 1938. D. F. Christy.  
Farm Exports Under Trade Agreements. December, 1938. R. B. Schwenger.  
Farm Imports Under Trade Agreements. January, 1939. R. B. Schwenger.  
Our Agricultural Trade With Latin America. February, 1939.  
Six Months Of Foreign Trade. August, 1939. Robert B. Schwenger.

FROZEN FOODS INDUSTRY EXPANDED. January, 1938. William Broxton.



## FRUIT

Grape Prospects Best In Seven Years. October, 1937. Gordon E. Ockey.  
Deciduous Fruit Exports Increase. January, 1938. A. C. Edwards.  
Trends In Fruit Production. January, 1938. Gordon E. Ockey.  
Estimating The Apple Crop. July, 1938. Reginald Royston.  
The Apple Export Situation. August, 1938. A. C. Edwards.  
America Drinks Its Fruit. November, 1938. Gordon E. Ockey.  
A World Of Citrus. July, 1939. Gustave Burmeister.

## HONEY - NO SURPLUS. July, 1938. H. J. Clay.

## INDUSTRIAL PRODUCTION

World Industrial Production At Record Level. July, 1937. N.J. Wall.  
Interdependence Of Agriculture And Industry. December, 1937.  
P. H. Bollinger.  
Purchasing Power Of Employed Workers. February, 1938.  
P. H. Bollinger.  
World Industrial Production. February, 1938. Norman J. Wall.  
Living Costs And The Factory Worker. March, 1938. P.H. Bollinger.  
Industry On The Upswing. October, 1938. P. H. Bollinger.  
Industrial Unemployment And The Farmer. January, 1939. L. H. Bean  
Dynamic Industrial Recovery. January, 1939. P. H. Bollinger.  
Industrial Production Declines. February, 1939. P. H. Bollinger.  
Industrial Recovery Resumed? July, 1939. P. H. Bollinger.

## INTERSTATE TRADE BARRIERS

(See Dairy, Marketing).

## LAND VALUES

On Farm Land Values. June, 1937. Henry A. Wallace.  
Stability Of Land Values. September, 1937. A. G. Black.  
Farm Real Estate Values. June, 1938. M. M. Regan.  
Problem - Land Speculation. October, 1938. Donald Jackson.  
Finding Normal Farm Values. February, 1939. F. F. Hill.  
Farm Real Estate Values. June, 1939. M. M. Regan.

## LEGISLATION, A DECADE OF FARM. December, 1939. R. H. Shields.

## LIVESTOCK

Stockmen Had Good Year Despite Drought. January, 1937. C.A.Burmeister  
The Relation Of Consumer Incomes To Farm Income From Livestock.  
May, 1937. Preston Richards.  
Estimating Wool Yields. May, 1937. C. U. Whalin.  
Unusual Seasonal Changes In Hog Prices. June, 1937. Preston Richards  
Meat Imports Increase With Higher Livestock Prices. July, 1937.  
Preston Richards.  
Meat Prices And Incomes Of Consumers. September, 1937.  
Preston Richards.  
Full Rations For Livestock. December, 1937. Malcolm Clough.  
Contract Feeding Of Livestock. March, 1938. C. G. Randall.  
European Epidemic, Foot And Mouth Disease. April, 1938. L. J. Schaben.  
Hog Incomes Reduced In 1937. July, 1938. O. C. Stine.  
Distribution Of Hog Slaughter. August, 1938. C. L. Harlan.  
Livestock Slaughter By Four National Packers. August, 1938.  
Knute Bjorka.



## LIVESTOCK (Continued)

The Cattle Feeding Situation. October, 1938. Preston Richards.  
Cattle, Calves Income Increase. November, 1938. O. C. Stine.  
Regional Changes In Hog Production. February, 1939. C. L. Harlan.  
Regional Trends In Number Of Cattle. March, 1939. C. L. Harlan.  
Income From Sheep, Lambs, And Wool. April, 1939. O. C. Stine.  
Regional Changes In The Sheep Industry. April, 1939. C. L. Harlan.  
Livestock Inventory Values Increased. April, 1939. C. L. Harlan.  
Direct Buying Of Livestock. April, 1939. Knute Bjorka.  
Livestock Estimating - An Appraisal. July, 1939. C. F. Sarle.

LOCAL GOVERNMENTS, REORGANIZATION OF. October, 1937. Hugo C. Schwartz.  
MARKETING - COSTS, SPREADS, ORGANIZATION

The Farmer's Share Of The Consumer's Food Dollar Increased In 1936.  
May, 1937. F. V. Waugh and R. O. Bean.  
The Consumer's Food Dollar. November, 1937. R. O. Bean.  
Produce Markets Need Reorganizing. January, 1938. W. C. Crow.  
The Chains Sell Fruits And Vegetables. January, 1938. A. C. Hoffman.  
Earnings Of Food And Tobacco Corporations. April, 1938. A. C. Hoffman.  
Concentration Markets For Perishables. May, 1938. W. C. Crow.  
National Standards For Farm Products. June, 1938. C. W. Kitchen.  
Storage Locker Service Expands. June, 1938. K. F. Warner.  
Progress Under Perishables Act. June, 1938. F. G. Robb.  
Barriers To Interstate Trade. July, 1938. G. R. Taylor.  
The Commodity Exchange Administration. July, 1938. J. W. T. Duvel.  
New Techniques In Standardization. August, 1938. C. B. Sherman.  
Grade And Label Barriers. September, 1938. E. L. Burtis.  
Retail Food Campaigns Cut Margins. September, 1938. A. C. Hoffman.  
Four Decades Of Farmer Cooperation. December, 1938. R. H. Ellsworth.  
Farmer's Share Of Consumer's Food Dollar. February, 1939. R. O. Bean.  
Marketing Quota Law Upheld. May, 1939. R. H. Shields.  
Lost - The Czechoslovakian Market. June, 1939. C. F. Sarle.  
Direct Marketing Of Stockers And Feeders. September, 1939.  
Knute Bjorka.

The Farmer's Share. October, 1939. R. O. Bean.

## NATIONAL INCOME

Food Prices And Recovery. April, 1937. O. C. Stine.  
About The Causes Of Depressions. June, 1937. Mordecai Ezekiel.  
National Income And Domestic Demand. August, 1937. L. H. Bean.  
National Income Declines. March, 1939. P. H. Bollinger.  
Buying Power Maintained. April, 1939. P. H. Bollinger.  
Eighty Billion Dollars - When? May, 1939. L. H. Bean.  
Prices Paid By Farmers - An Appraisal. September, 1939. A. R. Sabin.  
The Anatomy Of Domestic Demand. September and December, 1939.  
L. H. Bean.

NUTS - TWENTY MILLION DOLLAR INDUSTRY. November, 1938. E. L. Burtis.

PEANUTS GO TO MARKET. October, 1938. H. J. Clay.



## POULTRY

- Poultrymen Had Troubles In 1936. January, 1937.  
Eggs On The Block. June, 1937. L. M. Davis.  
Consumer Income And Consumption Of Poultry. July and August, 1937.  
Alexander Sturges  
G. W. Sprague  
Turkey Consumption Increased. November, 1937. B. H. Bennett.  
Cooperative Egg And Poultry Auctions. February, 1938. J. T. Scanlon  
R. W. Lennartson.  
New Foods For Old. April, 1938. R. R. Slocum.  
Turkeys - Seventy Million Dollar Industry. April, 1939. S. A. Jones.  
Changes In The Poultry Industry. June, 1939. S. A. Jones.  
Broilers The Year Round. July, 1939. J. H. Radabaugh.  
Turkeys In Season And Out. October, 1939. J. H. Radabaugh.

## REHABILITATION

- The Problem Of Rehabilitation After The Flood. April, 1937.  
A. B. Genung.  
Cooperation On Flood Control. June, 1937.  
Preparations For Recovery In The Great Plains. August, 1937.  
H. L. Stewart.  
Economic Democracy In Soil Conservation. September, 1937. M. L. Wilson.  
The New Land-Use Program. November, 1937. Henry A. Wallace.  
The Rural Relief Program. April, 1938. Henry A. Wallace.  
The Land-Use Program In Action. May, 1938. C. F. Clayton.  
Two Million Submarginal Acres. October, 1938. John Dreier.

## RICE SUPPLIES, PROBLEM OF LARGE.

### AUGUST, 1938.

Malcolm Clough.

## RURAL ELECTRICITY

- Electricity Rates On The Farm. September, 1938. O. C. Stine.  
REA - What It Is, How It Works. August, 1939. C. L. Harlan.

## RURAL INDUSTRIES IN SCANDINAVIA.

### OCTOBER, 1937.

O. E. Baker.

## SEED INDUSTRY, CONDITIONS CHANGE IN.

### JUNE, 1939.

W. A. Wheeler.

## SURPLUS RELIEF PURCHASE PROGRAM.

### MARCH, 1938.

F. R. Wilcox.

## TOBACCO

- Referendums And The Tobacco Inspection Act. March, 1937.  
The Changing Puerto Rican Tobacco Industry. June, 1937. Charles E. Gage  
Spanish War Hurts Tobacco Trade. October, 1937. N. W. Hagen.  
Billions Of Cigarettes. November, 1937. E. W. Grove.  
Government Wins Tobacco Case. May, 1938. Charles E. Gage.  
Tobacco To The Highest Bidder. October, 1938. Charles E. Gage.  
Narrower Price Range Helps Tobacco Growers. February, 1939.  
W. H. Stolting.  
Our Changing Tobacco Exports. March, 1939. B. S. White, Jr.  
Maryland Breaks With Antiquity. June, 1939. Claudia Thompson.  
Tobacco Inspection For 1939. July, 1939. Charles E. Gage.



## TRANSPORTATION

- Freight Rates And The Farmer. February, 1938. Henry A. Wallace  
Louis H. Bean
- Why Railroads Lose Business. September, 1938. W. C. Crow.
- The Farmer's Interest In Freight Rates. November, 1938. R. L. Dewey.
- Effects Of Trucking On Freight Rates. March, 1939. J. C. Nelson.
- Regulating The Merchant Trucker. March, 1939. E. L. Burtis.
- Freight Rates On Wheat, Cotton, Livestock. May, 1939. C. C. Matlock.

## TRUCK CROPS

- Smallest Potato Supply Per Person In 55 Years. January, 1937.  
A. E. Mercker.
- Increase In Winter Vegetables. July, 1937. J. W. Park.
- Growth Of The Vegetable Industry. October, 1937. Gustave Burmeister.
- Regional Shifts Of Vegetable Acreage. March, 1938. Gustave Burmeister.
- Beans - A \$50,000,000 Industry. June, 1938. J. E. Barr.
- Canning Crops - \$50,000,000 Industry. July, 1938. Gustave Burmeister.
- Machine-Made Potatoes. September, 1938. Emil Rauchenstein.
- People Eat Fewer Potatoes. December, 1939. Harry Henderson.

## WHEAT

- Mechanization Reduces Labor In Growing Wheat. April, 1937. M. R. Cooper.
- Increased Wheat Storage At Country Points. May, 1937. Robert Waldie.
- Lower Trade Barriers For Wheat. June, 1937. D. F. Christy.
- Costs Of Wheat Crop Insurance. November, 1937. William H. Rowe.
- United States Exports Grain. March, 1938. D. F. Christy.
- Wheat Crop Insurance Program. June, 1938. R. T. Baggott  
William H. Rowe.
- The Harvest Scene Changes. July, 1938. R. F. Hale.
- Wheat Loan Programs Under Way. August, 1938. J. W. Tapp.
- Wheat Import Barriers Up Again. August, 1938. D. F. Christy.
- Foreign Governments Aid Wheat Growers. September, 1938. L. F. Schabon.
- Wheat Farmers' Income Reduced. January, 1939. O. C. Stine.
- Insuring The Wheat Crop. January, 1939. J. A. Bird.
- The Wheat Crop Insured. May, 1939. J. A. Bird.
- The Wheat Export Subsidy. August, 1939. F. L. Thomson.

*C. Bratt*